

REMARKS

Upon entry of this Amendment, which amends Claims 1, 3 and 4, Claims 1, 3 and 4 remain pending in the present application. In the April 19, 2005 Office Action, the drawings were objected to for various informalities. Claims 1, 3 and 4 were objected to for various informalities. Finally, Claims 1, 3 and 4 were indicated as being allowable if amended to overcome the objections relating to the informalities. Applicant respectfully believes that the amendments made herein address all objections set forth in the April 19, 2005 Office Action, and that the present application is consequently in a condition for allowance.

Objections to the Drawings

On pages 2-3 of the Office Action, the drawings were objected to for various informalities. Specifically, in Fig. 3, objection was made to including reference numerals not used in the description of the invention. Fig. 3 was also objected to for not showing: the “subtracting” step recited in Claims 1, 3 and 4; the first three “computing steps” in Claim 2; and the “exploiting” step in Claim 5.

In response, Fig. 3 has been amended so that the reference numerals are included. As recommended in the Office Action, the specification has also been amended to include the reference numerals shown in Fig. 3. The objections relating to the “subtracting” operation recited in the claims was addressed in a previous amendment to Fig. 3, and is shown in Fig. 3 as step 309.

In light of the amendments to Fig. 3 and the corresponding amendments to the specification, Applicant requests that the objections to the drawings now be withdrawn.

Objections to the Claims – Claims 1, 3 and 4

On pages 3-5 of the Office Action, Claims 1, 3 and 4 were objected to for allegedly containing various informalities. First, lines 6-7 of Claim 1 were objected to for not indicating what $x(n)$, $x(n-1), \dots, x(n-1-N)$ and $x(n)$, $x(n+1), \dots, x(n+N-1)$ are samples of. Second, line 7 of Claim 1 was objected to for not indicating what is computed in the “computing the magnitude squared” operation. Third, lines 9-10 of Claim 1 were objected to for using “passive voice” rather than “present tense”. Fourth, line 9 of Claim 1 was objected to for not indicating what the “combining” operation is performed on. Fifth, line 9 of Claim 1 was objected to for not indicating whether the “result” refers to the result of the “combining” step. Sixth, line 12 of Claim 1 was objected to for not specifying from what the corresponding number of samples are subtracted. Seventh, Claim 1 was objected to for not specifying whether the “corresponding number of samples” corresponds to the “index” in the “assuming” step. Eighth, line 15 of Claim 1 was objected to for not including “received signal” after the word “first”.

In response, Applicant has amended Claim 1 to overcome the objections. Applicant respectfully requests, therefore, that the objections now be withdrawn.

Claim 3 was also objected to for allegedly containing various informalities. First, line 7 of Claim 3 was objected to for not specifying whether the “samples” recited in line

7 were part of the “received-signal samples”. Second, it was recommended that phrase “is performed” be deleted from line 7 of Claim 3. Third, it was recommended that the quotes around “coherent” be removed. Fourth, line 7 of Claim 3 was objected to for not including “as follows”. Fifth, line 11 of Claim 3 was objected to for not specifying whether the “result” refers to the result of the “manipulation” step. Sixth, line 13 of Claim 3 was objected to for not specifying from what the “corresponding number of samples” are subtracted. Seventh, Claim 3 was objected to for not specifying whether the “corresponding number of samples” corresponds to the “index” determined in the “assuming” step. Eighth, in line 14 of Claim 3, it was recommended that “received-signal” be inserted after the word “first”.

In response, Applicant has amended Claim 3 to overcome the objections. Applicant respectfully requests, therefore, that the objections now be withdrawn.

Claim 4 was also objected to for allegedly containing various informalities. First, line 6 of Claim 4 was objected to for including parentheses. Second, lines 6-7 were objected to for not being in the “present tense”. Third, it was recommended that the term “the previous” be replaced with “a previous”. Fourth, line 10 of Claim 4 was objected to for not specifying whether “the result” refers to the “adding” and “collecting” operations. Fifth, line 12 of Claim 4 was objected to for not indicating from what the “corresponding number of samples” are subtracted. Sixth, line 12 of Claim 4 was objected to for not specifying whether the “corresponding number of samples” corresponds to the “index” determined in the “assuming” step. Finally, in line 14 of Claim 4, it was recommended that “received-signal” be inserted after the word “first”.

In response, Applicant has amended Claim 4 to overcome the objections. Applicant respectfully requests, therefore, that the objections now be withdrawn.

Allowable Subject Matter

On page 5 of the Office Action, Claims 1, 3 and 4 were indicated as being allowable if amended to overcome the informality objections set forth earlier in the Office Action. Applicant believes that all of the objections have been properly addressed. Accordingly, Claims 1, 3 and 4 should now be in a condition for allowance.

CONCLUSION

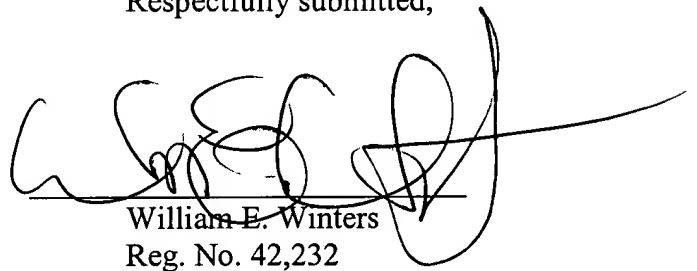
In view of the foregoing, Applicant believes all claims now pending in this Application are in condition for allowance. The issuance of a formal Notice of Allowance at an early date is respectfully requested.

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 408-282-1857.

The Commissioner is hereby authorized to charge any required fees to our Deposit Account No. 50-1698.

Respectfully submitted,

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